

# Innovations and Obsolescence in the Simpson Hartley Compactability Controller



In 2000, Hartley Controls Corporation acquired by Simpson from Neenah Foundry Company of Neenah, WI USA. Since, Simpson has standardized, improved mechanical design, and revolutionized the affiliated controls technology.

## Identifying

Many companies have strong maintenance departments and can keep equipment in operation for decades past the normal wear and tear. It is often that the team at Simpson finds older models in operation. Many of the older systems had different nomenclature for the tester and the control panel. Current Simpson Hartley Compactability Controllers have paired the control panel and tester resulting in one model and corresponding serial number. To help reduce confusion, here's a quick guide to the older models and their comparable newer models.

| Vintage Model | Type of Control Panel  |
|---------------|--|
| 17PC          | Control Panel for a Continuous system prior to AB SLC series or with other brand of PLC              |
| 18PC          | Control Panel for a Batch system prior to AB SLC series or with other brand of PLC                   |
| 17MK2         | Control Panel for a Continuous system with AB SLC series PLC for remote I/O tester                   |
| 18MK2         | Control Panel for a Batch system with AB SLC series PLC for remote I/O tester                        |
| Vintage Model | Type of Tester   |
| 2500          | Compactability Only – Direct Wired I/O I paired with 17 or 18 PC                                     |
| 2550          | Compactability with Green Strength Testing and Moisture – Direct Wired I/O I paired with 17 or 18 PC |
| 2502          | Compactability – Remote I/O  |
| 2552          | Compactability with Green Strength Testing and Moisture – Remote I/O                                 |

Now that current Simpson Hartley control panel's have taken on the identity of the tester, there is a quick and easy method to determine the functionality of the unit. There are three options:

1. 2502-L1 Batch with compactability control only
2. 2552-B1 Batch with compactability control and green strength testing
3. 2552-C1 Continuous with compactability control and green strength testing

They require different components and programming. Simpson Hartley Models 2552-B1 and 2552-C1 are essentially the same as the 18MK2/2552 and 17MK2/2552, just different naming convention.

## List of Obsolete Components

Due to lack of manufacturing or inconsistent quality/availability, Simpson must consider the following items obsolete:

### - Mechanical Components

- Numatics 2004 Series Solenoid Valves  
[Simpson Part Number 51207.X.X]

### - Electrical Components

- Uticor HMI
- Allen Bradley SLC 500
- Allen Bradley PLC 5 Controllers
- CTC Screen: P1, P3, PS 10, PA 10

## The Simpson Solution

With completion of the Foundry Data Sheet and providing a serial number, Simpson can engineer an upgrade and replacement of obsolete items to support foundry operations.